**Scientific Method Guidelines WS**

The scientific method outlines a series of steps for answering questions or solving problems, but not scientists adhere strictly to these steps. Scientific discovery is a process that involves creativity, intuition, imagination, and collaboration. As you read the research article you have been assigned, answer the following questions to outline the scientific process these scientists went through.

1. What is the problem the scientists are trying to solve or question they are trying to answer?

2. What was their hypothesis?

3. How did the scientists test their hypothesis? Be very specific in what steps they took in their experiments.

4. What results did they collect and how did they interpret these results?

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5. What was their conclusion? How did they report their findings to the scientific community?

6. Looking back over the process, what information did the scientists need to have prior to performing their experiments? What observations did they need to make before proceeding?